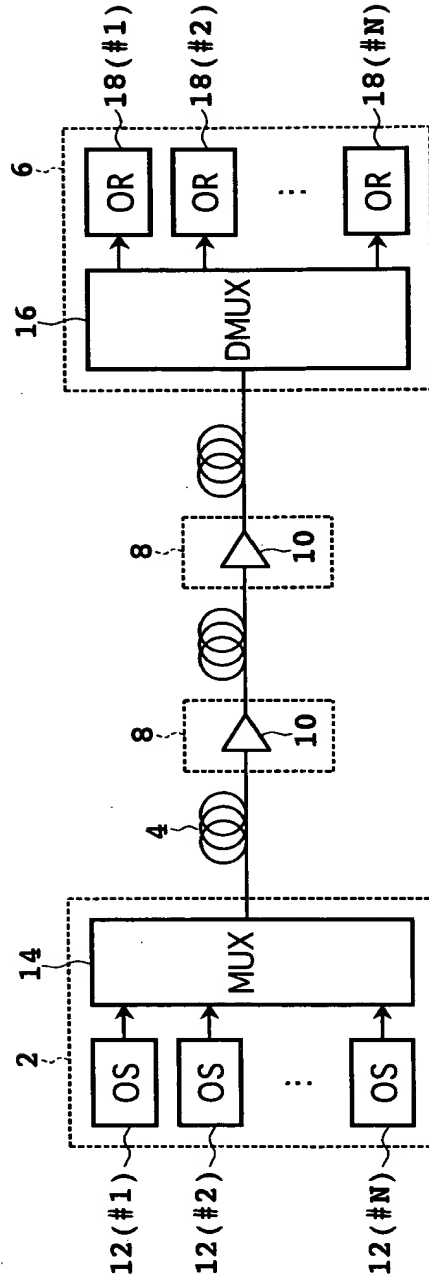


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 1



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 2 A

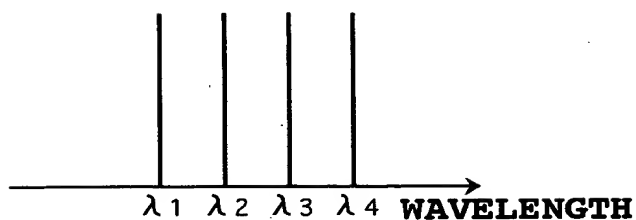
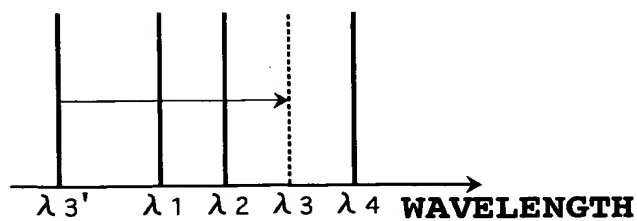


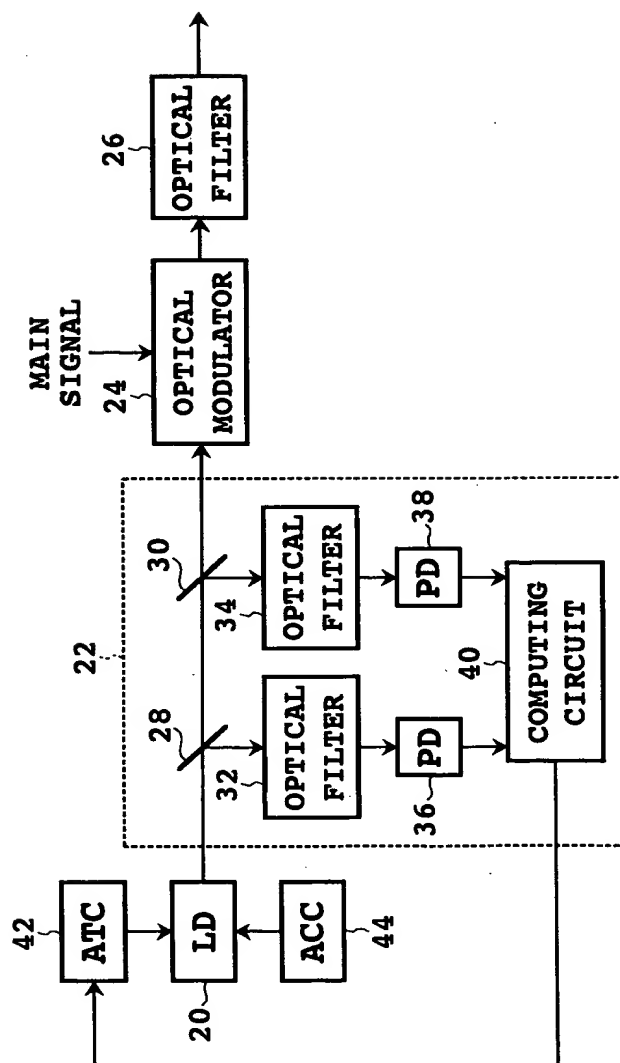
FIG. 2 B



00169600 100000

FIG. 3

PRIOR ART



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 4A

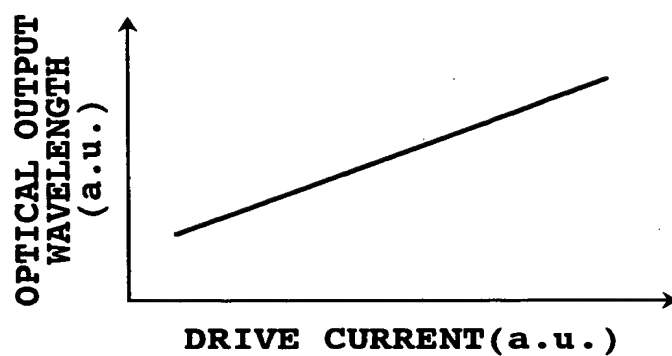
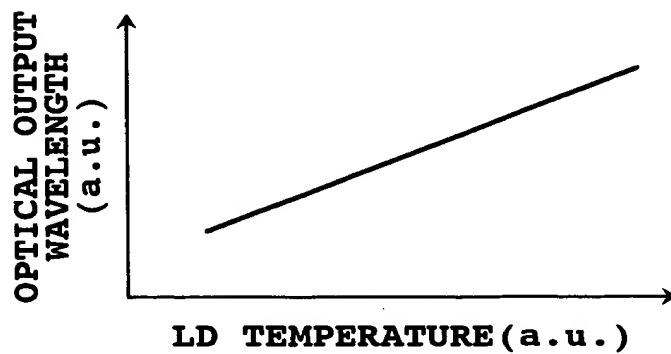


FIG. 4B

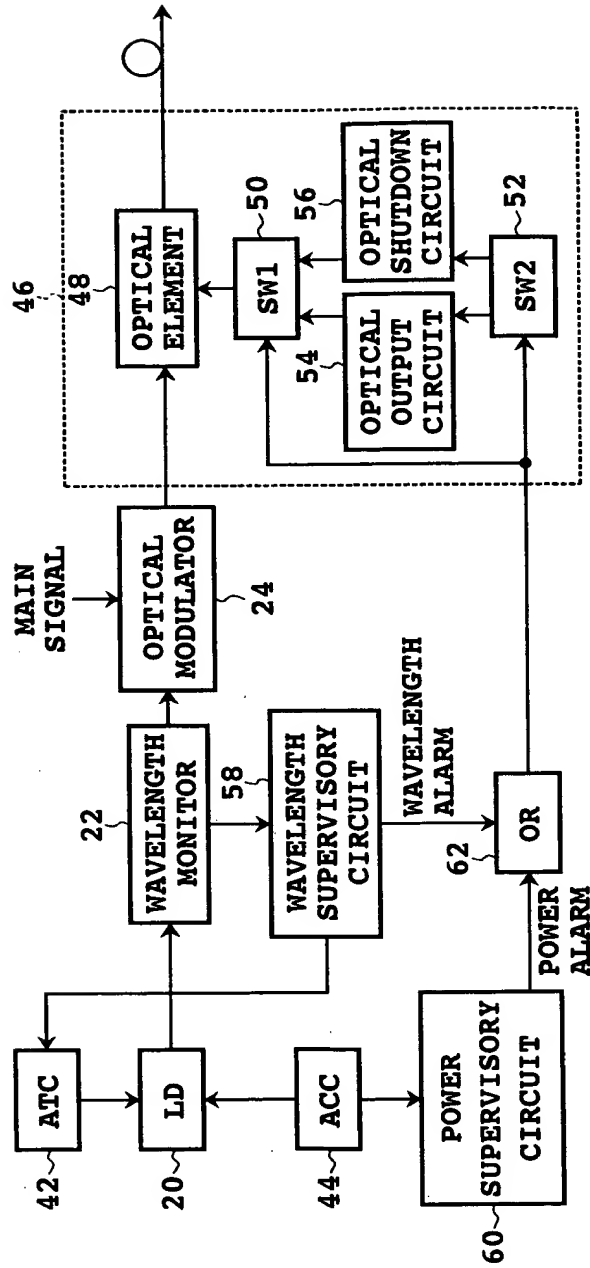


09168588 100999

56500T 88383160

BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 5



36007" 33329100

APPROVED		O.G. FIG.	
BY	CLASS	SUBCLASS	
CRAFTSMAN			

FIG. 6

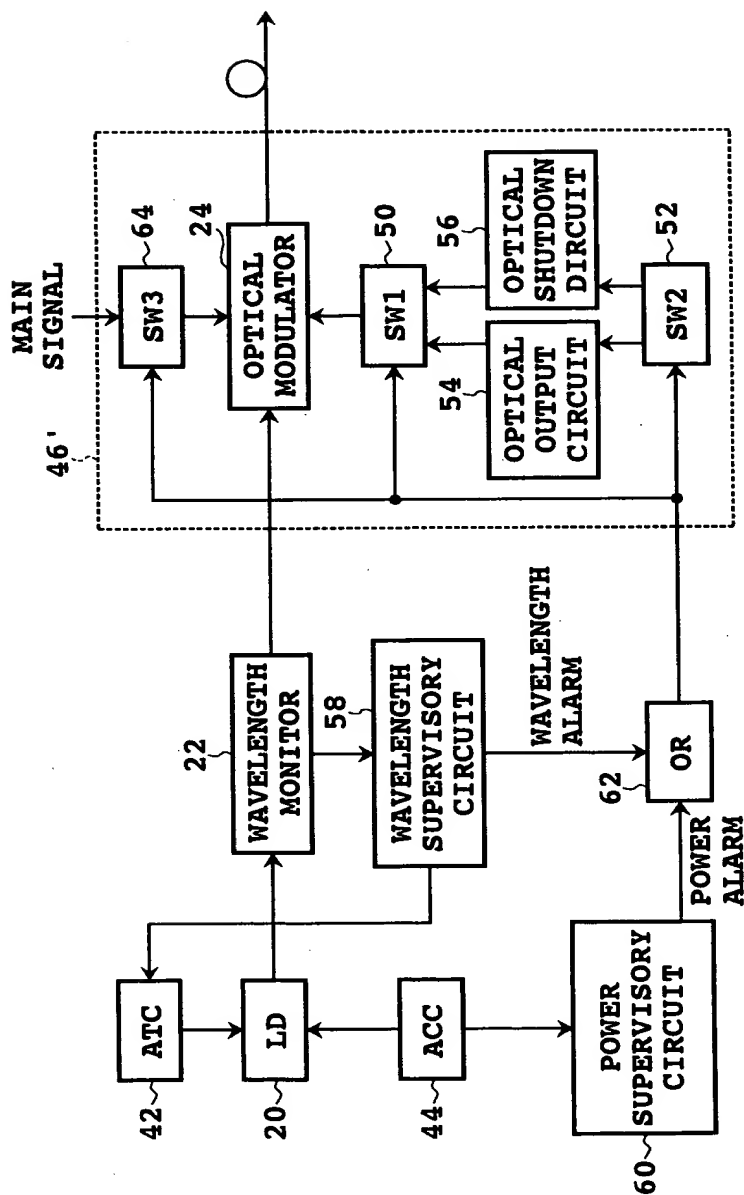
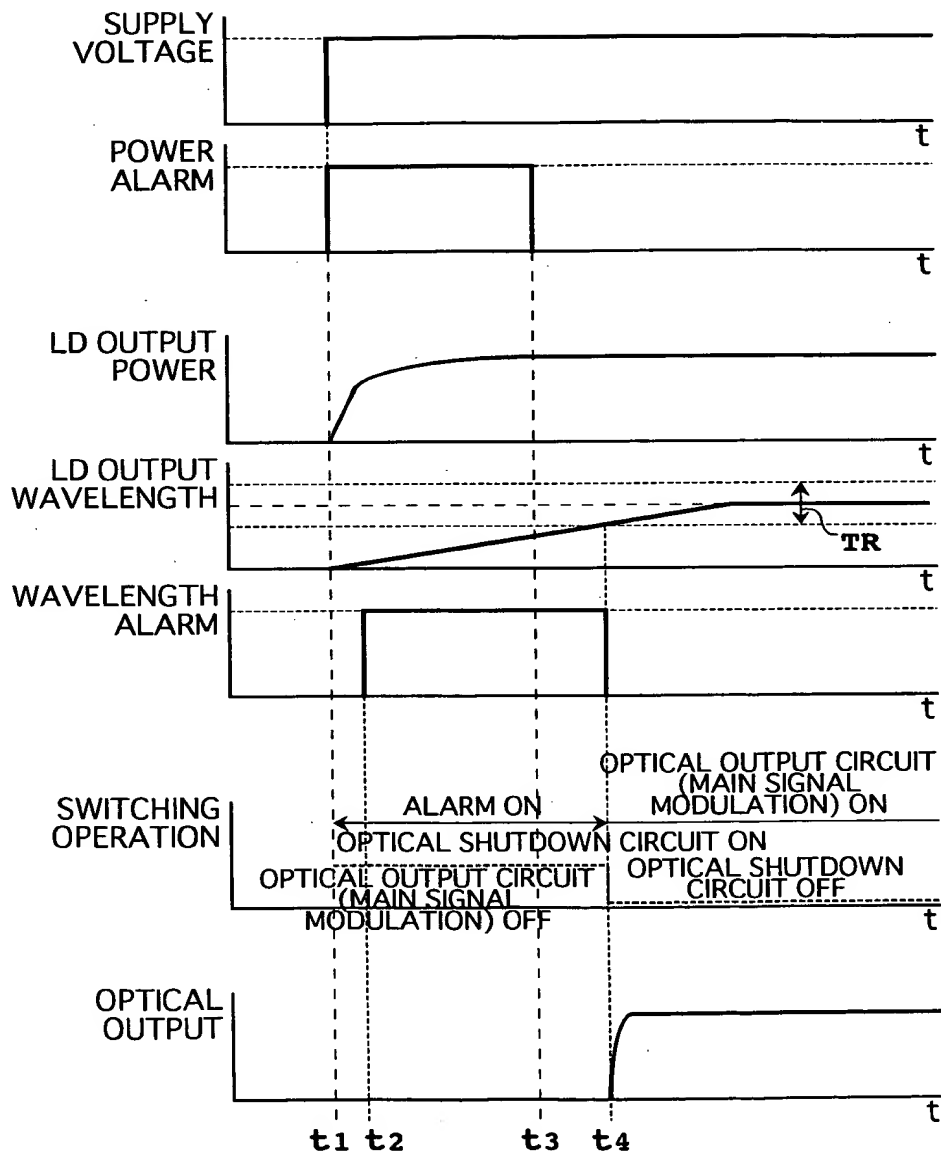


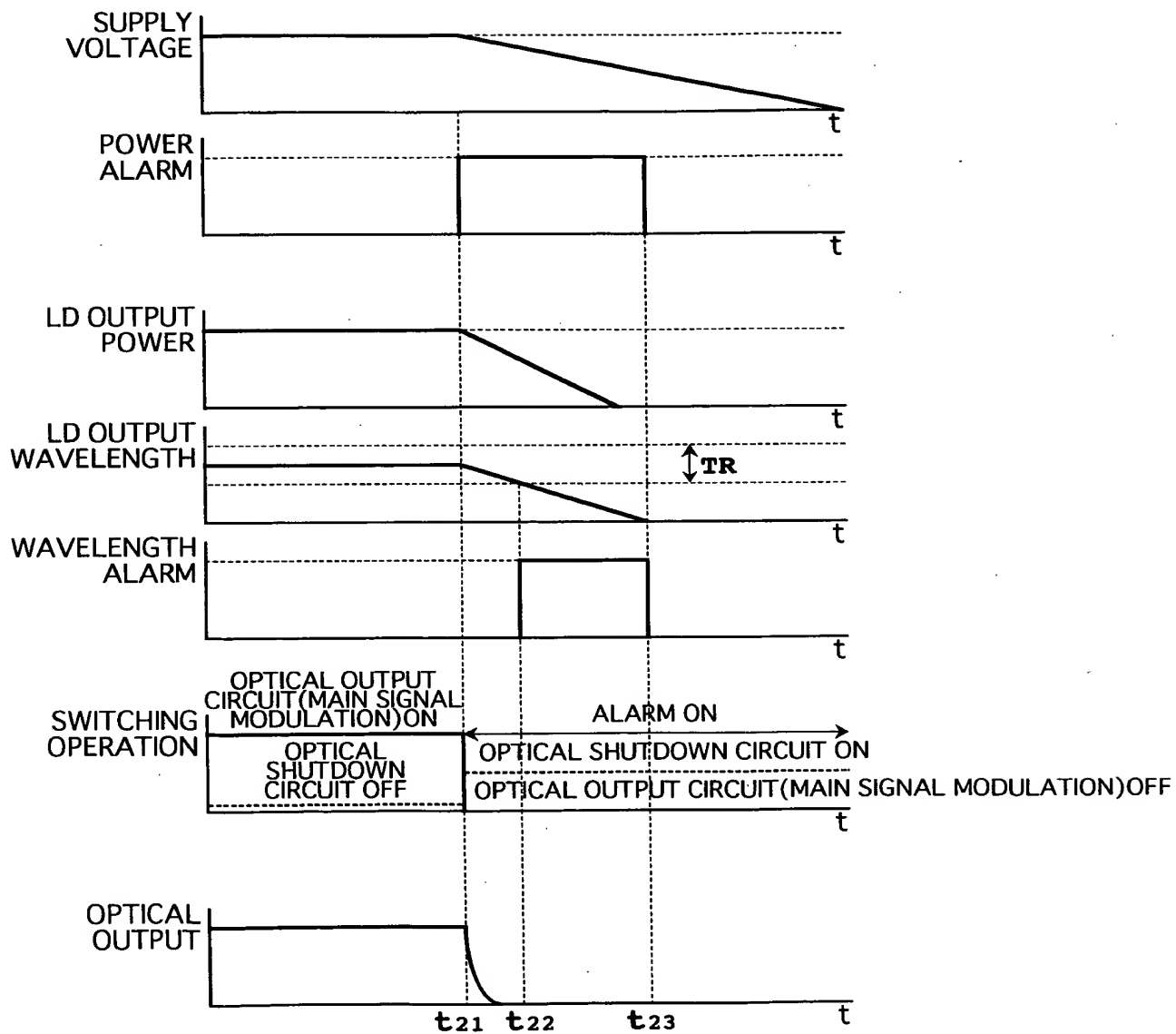
FIG. 7



0016000-100900

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

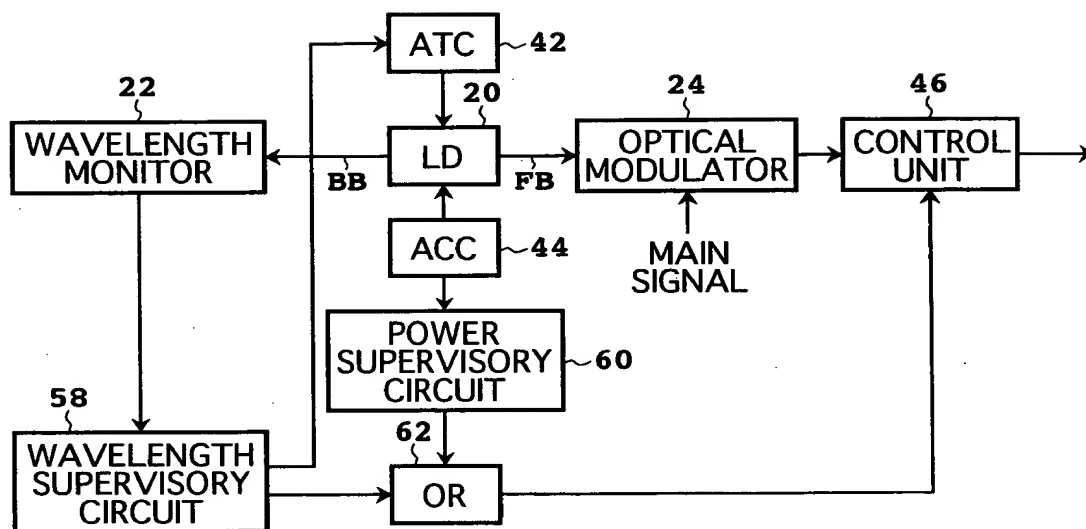
FIG. 9



0045500 10093

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

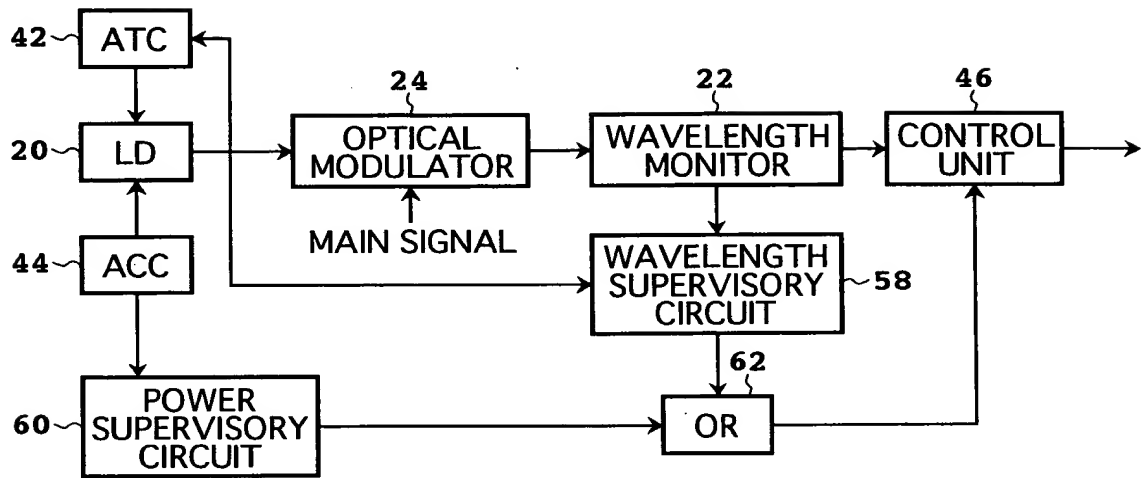
FIG. 10



0015558 10098
36001 3655160

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

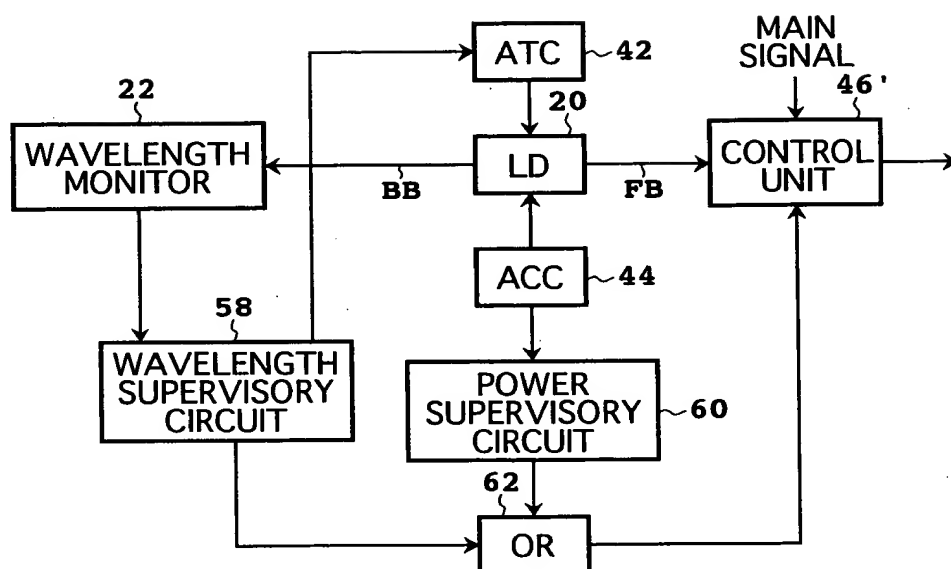
FIG. 11



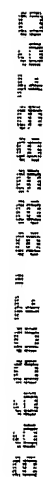
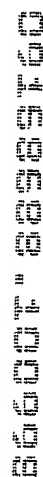
3600T 3653T 60

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 12

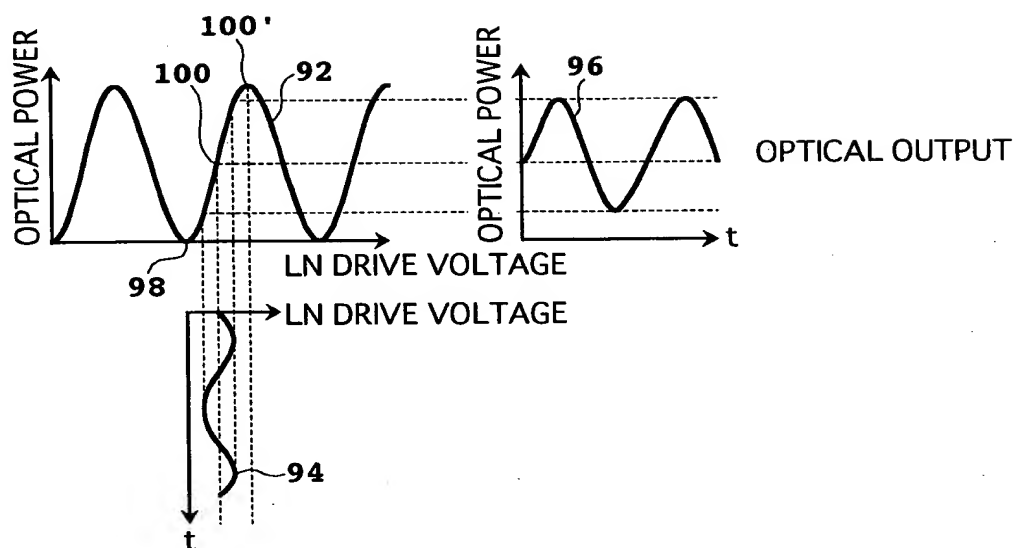


0015558 10093
00001 883160

[illegible][illegible]

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 14



000001 88385T60

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 15A

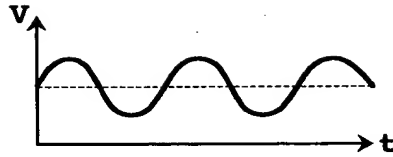


FIG. 15B

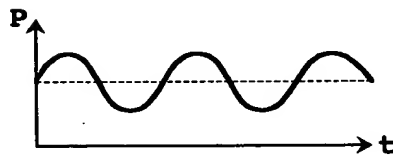


FIG. 15C

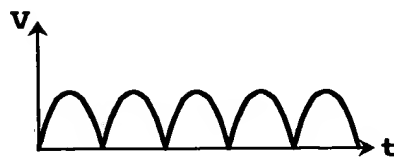
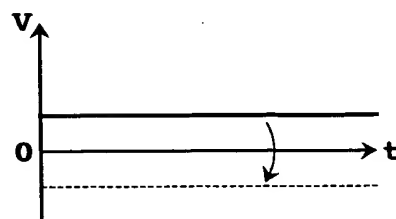


FIG. 15D



0946588 100098

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 16A

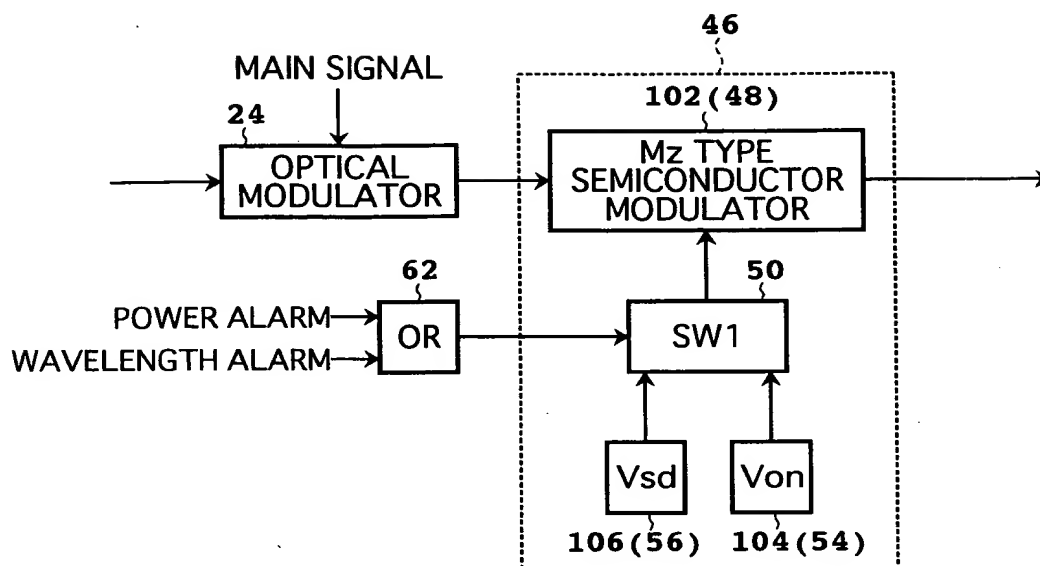
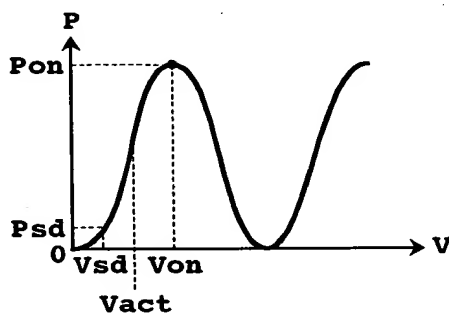


FIG. 16B




```

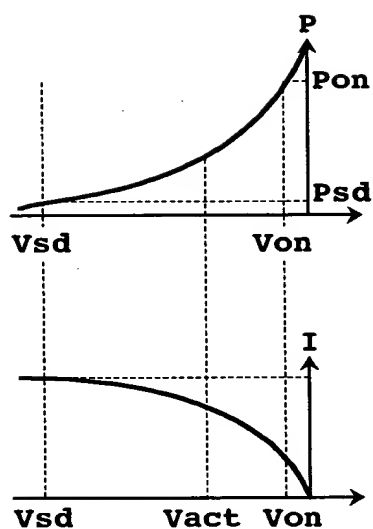
graph LR
    MS[MAIN SIGNAL 24] --> OM[OPTICAL MODULATOR]
    PA[POWER ALARM] --> OR[OR 62]
    WA[WAVELENGTH ALARM] --> OR
    OR --> SW1[SW1 50]
    VON[Von 110(54)] --> SW1
    VSD[Vsd 112(56)] --> SW1
    SW1 --> EA[EA 108(48)]
    OM --> EA
    EA --> AS(( ))
    subgraph 46 [ ]
        EA
        SW1
    end
    style 46 stroke-dasharray: 5 5

```

Block diagram of a power and wavelength alarm system. The system includes an Optical Modulator (24) receiving a Main Signal. Its output goes to an Error Amplifier (EA, 108/48). The EA output (118) passes through an I/V converter to a switch (SW2, 52). SW2 is controlled by a reference voltage (Vref2, 114/54) and its output goes to another switch (SW1, 50). SW1 is controlled by a reference voltage (Vref1, 116/56) and its output goes to the EA. SW1 is also controlled by an OR gate (62) which receives Power Alarm and Wavelength Alarm signals. The output of SW1 goes to the Optical Modulator. A dashed box 46 encloses the EA, I/V, SW1, SW2, and reference voltage sources.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 18



09450500 100000

FIG. 19A

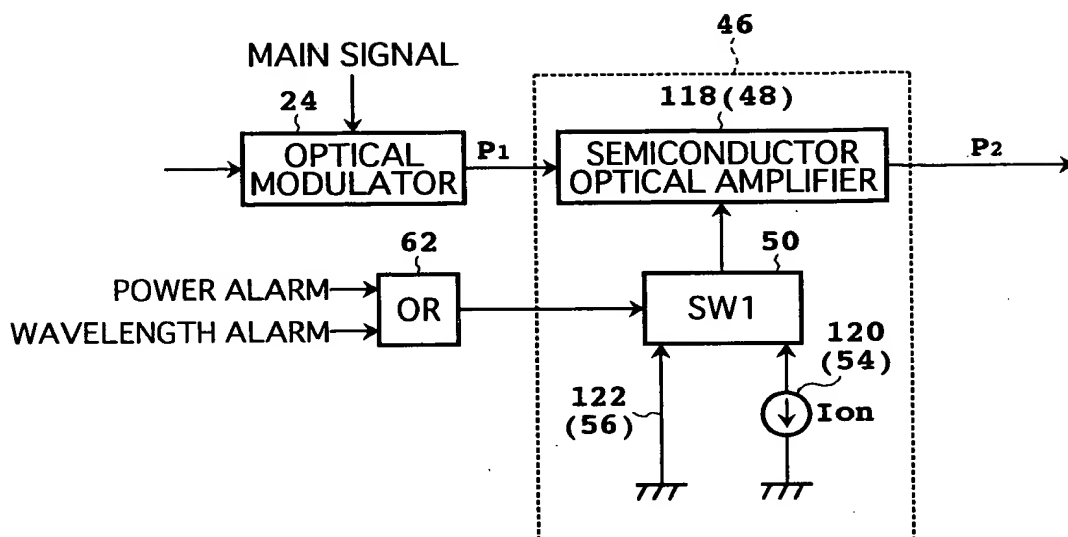
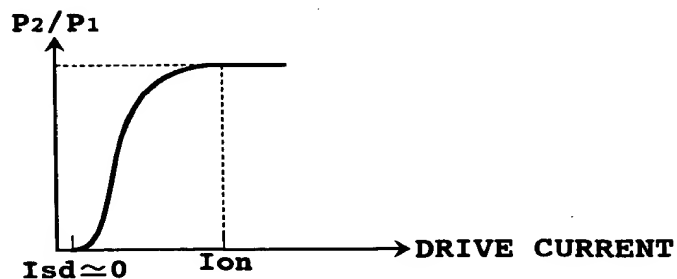


FIG. 19B



09150500 100909

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

FIG. 22A

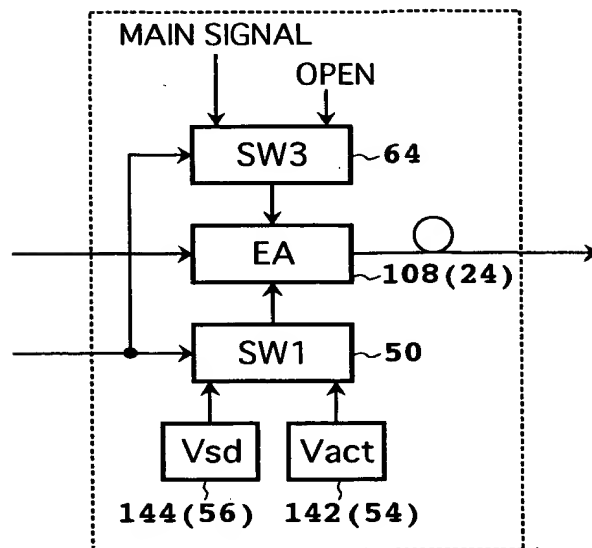
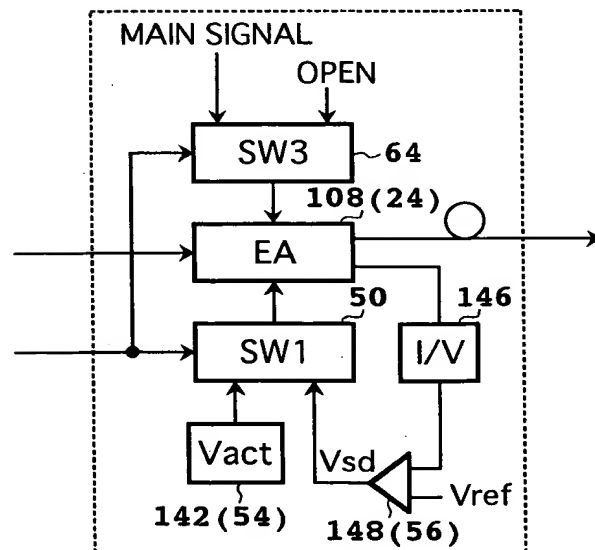


FIG. 22B



3600T 3030T 60

